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I hereby certify that this FORM PTO-1449 AND 2 REFERENCES in connection with S. Patent Application Serial No. 09/782,331 are being deposited with the United states Postal rvice as first class mail in an envelope addressed to: Assistant Commissioner for Patents, day of Title, 2002.

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| | |) INFORMATION | Applicant | Applicant(s): HAWKINS | | | | | | | | |
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| | | | | OTHER ART | | | | | | | | |
| | | Glick, et al. "Noniterative Compensation for the Distance-Dependent | | | | | | | | | | |
| A A | AL | Detector Response and Photon Attenuation in SPECT Imaging", | | | | | | | | | | |
| 10 | | IEEE Transactions on Medical Imaging, Vol. 13, No. 2, June 1994 | | | | | | | | | | |
| | | Hawkins, et al. "An Intrinsic 3D Wiener Filter For the Deconvolution of | | | | | | | | | | |
| 1 | AM | Spatially Vary | ying Collima | ator Blur", 1994 IEEE | pp. 163 | 3-167 | | | | | | |
| # | | Xia, et al., | "Fourier Co | rrection for Spatiall | y Varian | ıt Collim | ator Blurring | | | | | |
| | AN | | | ons on Medical Imagin | | | | | | | | |
| | AO | Lewitt, et al. | Lewitt, et al., "Fourier Method for the Correction of Depth-Dependent | | | | | | | | | |
| | | Blurring in Medical Imaging III: Image Processing", Vol. 1092, pp. 232-243 | | | | | | | | | | |
| | l | Proc. SPIE, 19 | | | | | | | | | | |
| | | Glick, et al., | , "Filtering | g of SPECT Reconstruc | tions Ma | de Using | Bellini's | | | | | |
| | AP | Attenuation Co | orrection Me | ethod: A Comparison o | f Three | Pre-Reco | nstruction | | | | | |
| 1 8 1/1 | | | 2 | struction Wiener Filt | | | - | | | | | |
| | l! | IREE Trans Nucl\s/38;2:663-669 | | | | | | | | | | |
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| APPLICANT'S(S') INFORMATION | | | Applicant(s): HAWKINS | | | | | | | | |
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| $\bigcap_{C} \bigcap_{C} \bigcap_{C$ | AL | Lewitt, et al., "Fourier Method for the Correction of Depth-Dependent | | | | | | | | | |
| 1/40 | | Blurring in Medical Imaging III: Image Processing", Vol. 1092, pp. 232-243 | | | | | | | | | |
| | | Proc. SPIE, 198 | | | | | | | | | |
| | АМ | Glick, et al., "Filtering of SPECT Reconstructions Made Using Bellini's | | | | | | | | | |
| 11.2 | | Attenuation Correction Method: A Comparison of Three Pre-Reconstruction | | | | | | | | | |
| II W | | Filters and a Post-Reconstruction Wiener Filter", | | | | | | | | | |
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CERTIFICATE OF MAILING

I hereby certify that this FORM PTO-1449 AND 2 CITED REFERENCES in connection with U.S. Patent Application Serial No. 09/782,331 are being deposited with the United states Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C., 20231, on this 20^{90} day of $\sqrt{\text{Lune}}$, 2001.

By: Helary McNulty